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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	09/530,233
Filing Date	April 26, 2000
First Named Inventor	Philippe Sequela
Art Unit	1646
Examiner Name	Michael D. Pak
Attorney Docket Number	PCI-017USRCE2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
MDP	A1	WO 97/01577 A1	01-16-1997	University College London		
	A2	WO 98/54316 A1	03-12-1998	Synthe-Lab		
MDP	A3	WO 98/35034 A1	08-13-1998	Centre Nat Rech Scient		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
MDP	A4	Adams, *et al.* Ripped pocket and pickpocket, novel Drosophila DEG/ENaC subunits expressed in early development and in mechanosensory neurons. J Cell Biol. 1998 Jan 12;140(1):143-52.	
	A5	Babinski, *et al.* Molecular cloning and regional distribution of a human proton receptor subunit with biphasic functional properties. J Neurochem. 1999 Jan;72(1):51-7.	
	A6	Bassilana, *et al.* The acid-sensitive ionic channel subunit ASIC and the mammalian degenerin MDEG form a heteromultimeric H+-gated Na+ channel with novel properties. J Biol Chem. 1997 Nov 14;272(46):28819-22.	
	A7	Bertrand, *et al.* Electrophysiology of Neuronal Nicotinic Acetylcholine Receptors Expressed in Xenopus Oocytes Following Nuclear Injection of Genes of cDNAs. Methods in Neurosciences, 1991, Academic Press Inc., New York, pp. 174-193.	
	A8	Bevan, *et al.* Nerve growth factor (NGF) differentially regulates the chemosensitivity of adult rat cultured sensory neurons. J Neurosci. 1995 Jul;15(7):4918-26.	
	A9	Bevan, *et al.* Protons activate a cation conductance in a sub-population of rat dorsal root ganglion neurones. J Physiol. 1991 Feb;433:145-61.	
	A10	Canessa, *et al.* Amiloride-sensitive epithelial Na+ channel is made of three homologous subunits. Nature. 1994 Feb 3;367(6462):463-7.	
MDP	A11	Chen, *et al.* A sensory neuron-specific, proton-gated ion channel. Proc Natl Acad Sci U S A. 1998 Aug 18;95(17):10240-5.	

Examiner Signature		Date Considered	

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Filing Date	April 26, 2000
First Named Inventor	Philippe Sequela
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Examiner Name	Michael D. Pak
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MPP	B1	Corey, *et al.* Mechanosensation and the DEG/ENaC ion channels. Science. 1996 Jul 19;273(5273):323-4.	
	B2	Coscoy, *et al.* The Phe-Met-Arg-Phe-amide-activated sodium channel is a tetramer. J Biol Chem. 1998 Apr 3;273(14):8317-22.	
	B3	Dray, *et al.* Bradykinin and inflammatory pain. Trends Neurosci. 1993 Mar;16(3):99-103.	
	B4	Firsov, *et al.* The heterotetrameric architecture of the epithelial sodium channel (ENaC). EMBO J. 1998 Jan 15;17(2):344-52.	
	B5	Garcia-Anoveros, *et al.* BNaC1 and BNaC2 constitute a new family of human neuronal sodium channels related to degenerins and epithelial sodium channels. Proc Natl Acad Sci U S A. 1997 Feb 18;94(4):1459-64.	
	B6	Ishibashi, *et al.* Molecular cloning of a DEG/ENaC sodium channel cDNA from human testis. Biochem Biophys Res Commun. 1998 Apr 17;245(2):589-93.	
	B7	Krishtal, *et al.* A receptor for protons in the membrane of sensory neurons may participate in nociception. Neuroscience. 1981;6(12):2599-601.	
	B8	Krishtal, *et al.* Rapid extracellular pH transients related to synaptic transmission in rat hippocampal slices. Brain Res. 1987 Dec 15;436(2):352-6.	
	B9	Lindahl. Pain – A General Chemical Explanation. Adv. Neurol. 1974. 4:45-47.	
	B10	Lingueglia, *et al.* Cloning of the amiloride-sensitive FMRFamide peptide-gated sodium channel. Nature. 1995 Dec 14;378(6558):730-3.	
	B11	Lingueglia, *et al.* A modulatory subunit of acid sensing ion channels in brain and dorsal root ganglion cells. J Biol Chem. 1997 Nov 21;272(47):29778-83.	
	B12	North. Families of ion channels with two hydrophobic segments. Curr Opin Cell Biol. 1996 Aug;8(4):474-83.	
	B13	Price, *et al.* Cloning and expression of a novel human brain Na+ channel. J Biol Chem. 1996 Apr 5;271(14):7879-82.	
	B14	Snyder, *et al.* Electrophysiological and biochemical evidence that DEG/ENaC cation channels are composed of nine subunits. J Biol Chem. 1998 Jan 9;273(2):681-4.	
	B15	Tavernarakis, *et al.* unc-8, a DEG/ENaC family member, encodes a subunit of a candidate mechanically gated channel that modulates C. elegans locomotion. Neuron. 1997 Jan;18(1):107-19.	
	B16	Ugawa, *et al.* Receptor that leaves a sour taste in the mouth. Nature. 1998 Oct 8;395(6702):555-6.	
	B17	Waldmann, *et al.* The mammalian degenerin MDEG, an amiloride-sensitive cation channel activated by mutations causing neurodegeneration in Caenorhabditis elegans. J Biol Chem. 1996 May 3;271(18):10433-6.	
	B18	Waldmann, *et al.* Molecular cloning of a non-inactivating proton-gated Na+ channel specific for sensory neurons. J Biol Chem. 1997 Aug 22;272(34):20975-8.	
MPP	B19	Waldmann, *et al.* A proton-gated cation channel involved in acid-sensing. Nature. 1997 Mar 13;386(6621):173-7.	

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MDP	C1	Waldmann, *et al.* H(+)-gated cation channels: neuronal acid sensors in the NaC/DEG family of ion channels. Curr Opin Neurobiol. 1998 Jun;8(3):418-24.	
MDP	C2	Weille, *et al.* Identification, functional expression and chromosomal localisation of a sustained human proton-gated cation channel. FEBS Lett. 1998 Aug 21;433(3):257-60.	

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[1]Applicant's unique citation designation number (optional). [2]Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	MICHAEL PAK	Date Considered	9-30-07